CLAIMS

- 1. A double-skin tubular structural member including:
 - a fibre reinforced polymer outer tube;
- 5 an inner tube made from generally metallic materials; and
 - filler material provided between said outer tube and said inner tube.
 - 2. A double-skin tubular structural member as claimed in claim 1 wherein said filler material comprises a bound aggregate material.

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- 3. A double-skin tubular structural member as claimed in claim 2 wherein said bound aggregate material comprises concrete.
- 4. A double-skin tubular structural member as claimed in claim 1 wherein said inner tube comprises a steel tube.
 - A double-skin tubular structural member as claimed in claim 1 wherein said fibre-reinforced polymer includes at least some fibres orientated generally circumferentially around said tube.

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6. A double-skin tubular structural member as claimed in claim 5 wherein said fibre-reinforced polymer includes a majority of fibres being orientated generally circumferentially about said tube.

- A double-skin tubular structural member as claimed in claim 1 wherein said outer fibre-reinforced polymer tube is constructed from a plurality of layers of fibre-reinforced polymer.
- A double-skin tubular structural member as claimed in claim 1 wherein said outer fibre-reinforced polymer tube is constructed using a filament winding process.
- 9. A method of constructing a double-skin tubular structural member comprising the steps of:
 - providing a pre-formed fibre reinforced polymer outer tube;
 - providing an inner tube made from generally metallic materials; and
 - inserting a filler material between said outer tube and said inner tube.
- 15 10. A method of constructing a double-skin tubular structural member as claimed in claim 9 wherein said method further includes inscrting a bound aggregate as the filler material.
- 11. A method of constructing a double-skin tubular structural member as claimed
 20 in claim 9 wherein said fibre reinforced polymer outer tube acts as a
 construction form during a curing stage of the filler material.